

Pressure electrolyzer

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-  US4077863 (A1)
-  JP52054684 (A)
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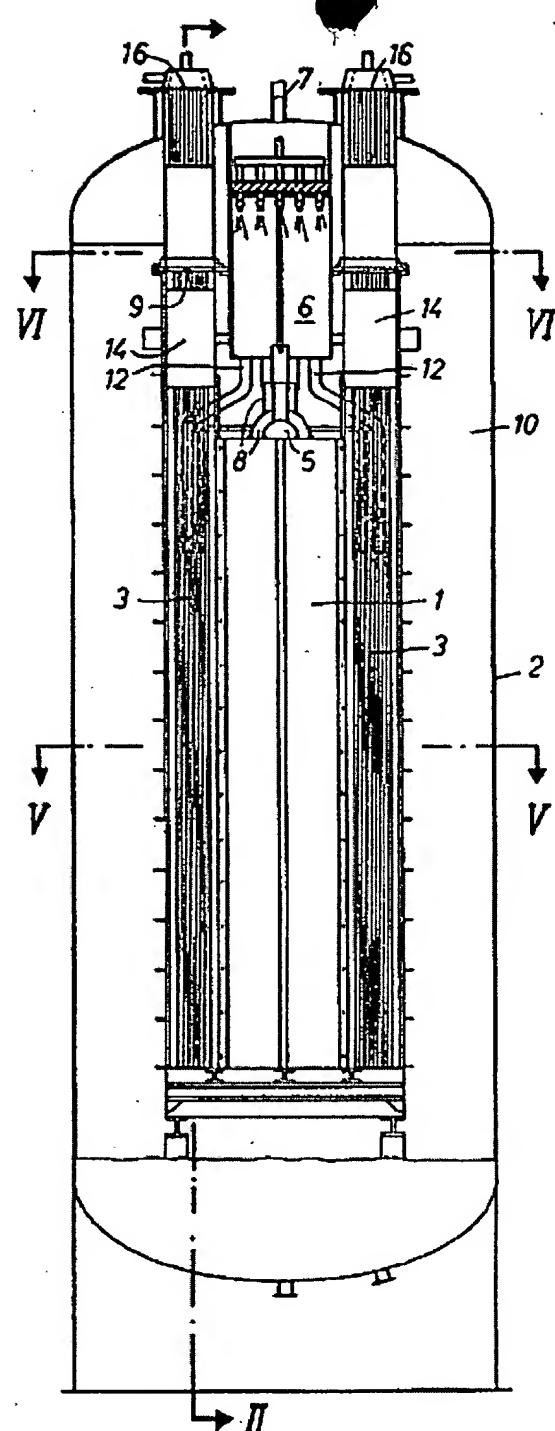
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Abstract not available for DE2548699

Abstract of corresponding document: **US4077863**

In a pressure electrolyzer suitable for the electrolysis of water or hydrochloric acid or sodium chloride provided with bipolar electrodes forming a plurality of cell units arranged in the form of a cell block, the improvement which comprises a housing for the cell block, said housing being a pressure vessel designed for pressures of at least 1.1 bars, and further comprising said cell block having a square configuration, openings for the electrolyte being disposed on the underside of said cell block, said cells being arranged in a U-shaped turn, a mounting for the cell block and current leads attached exclusively to one end of said cell block and to one diameter of the side wall of the pressure vessel, said vessel having a cylindrical configuration, cooling means extending along the outside of said cell block, filter mat means being disposed in the flow path of the electrolyte upstream of the cooling means and means for conducting the electrolyte through said filter mat and cooling means and said openings for the electrolyte into the interior of the cell block.

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